

Figure 1

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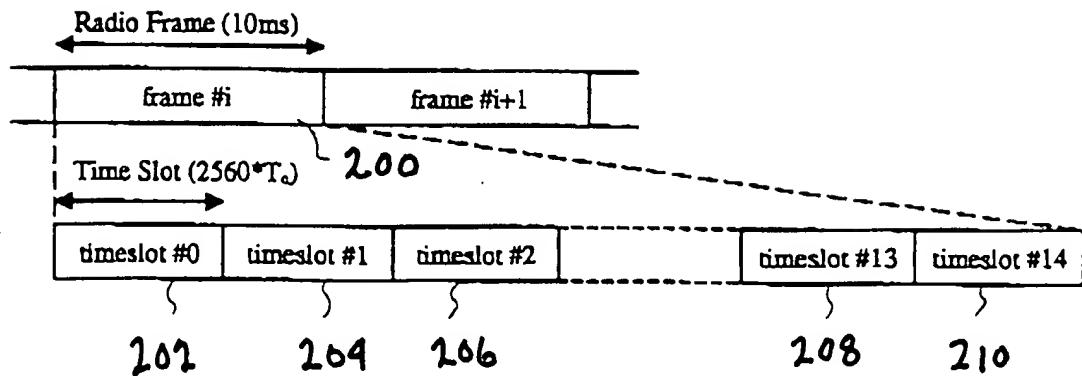


Figure 2

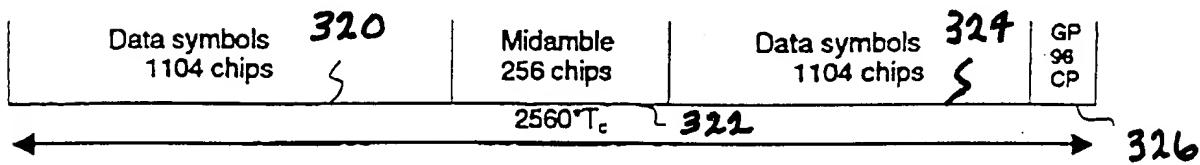
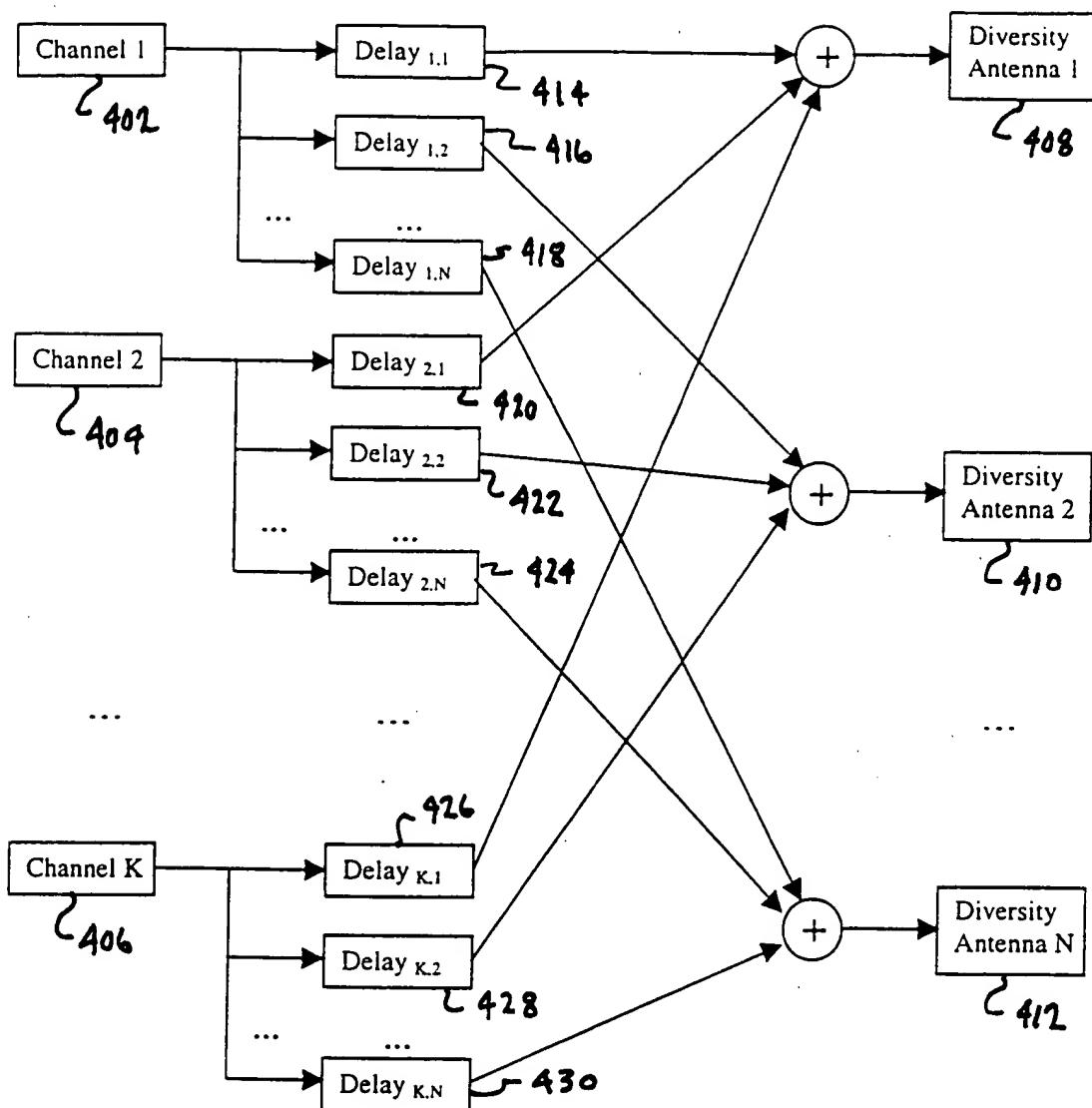
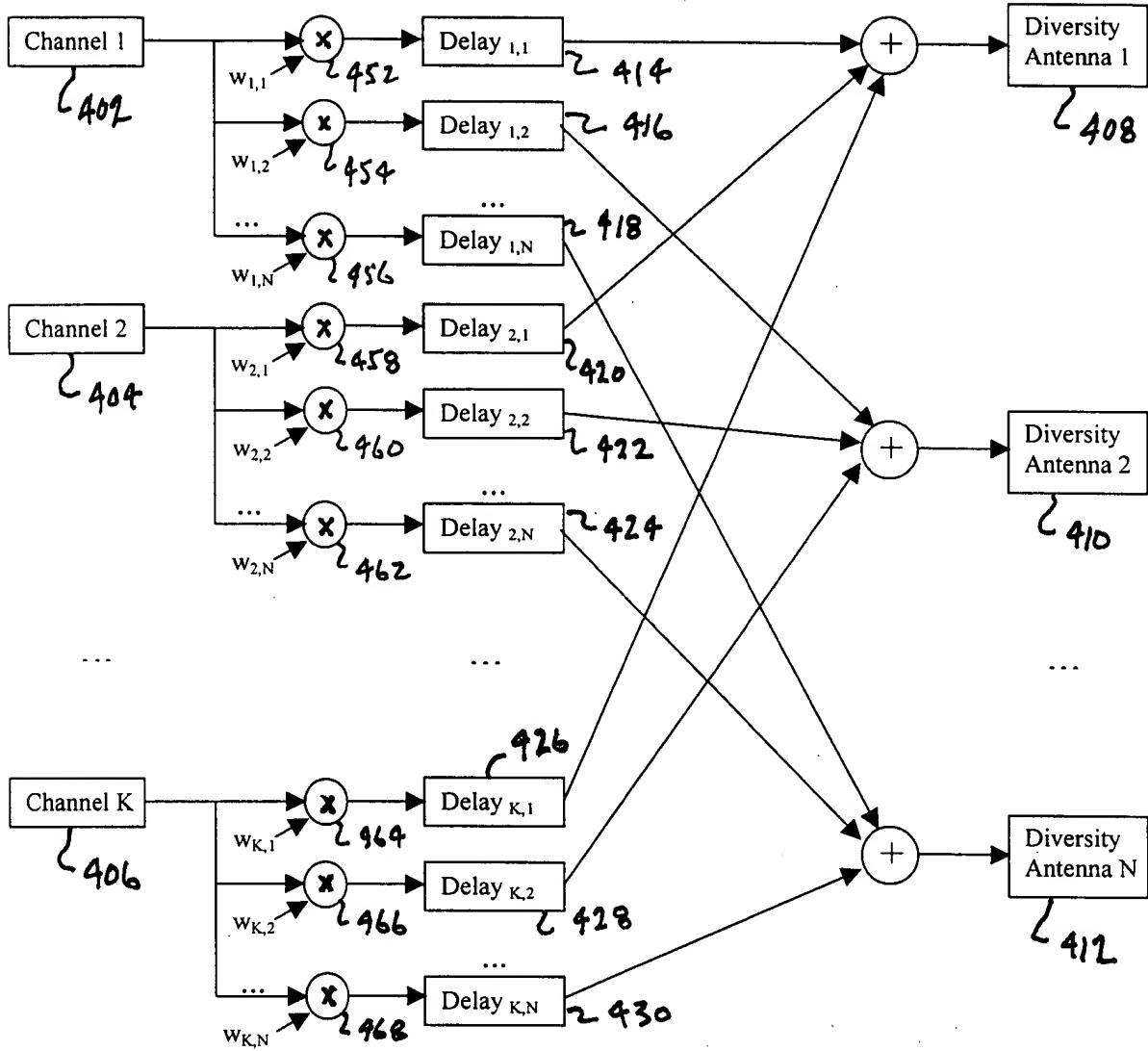


Figure 3



Implementation of delay diversity at the base station with K channels and N antennas.

Figure 4a



Implementation of delay diversity at the base station with K channels and N antennas.

Figure 4b

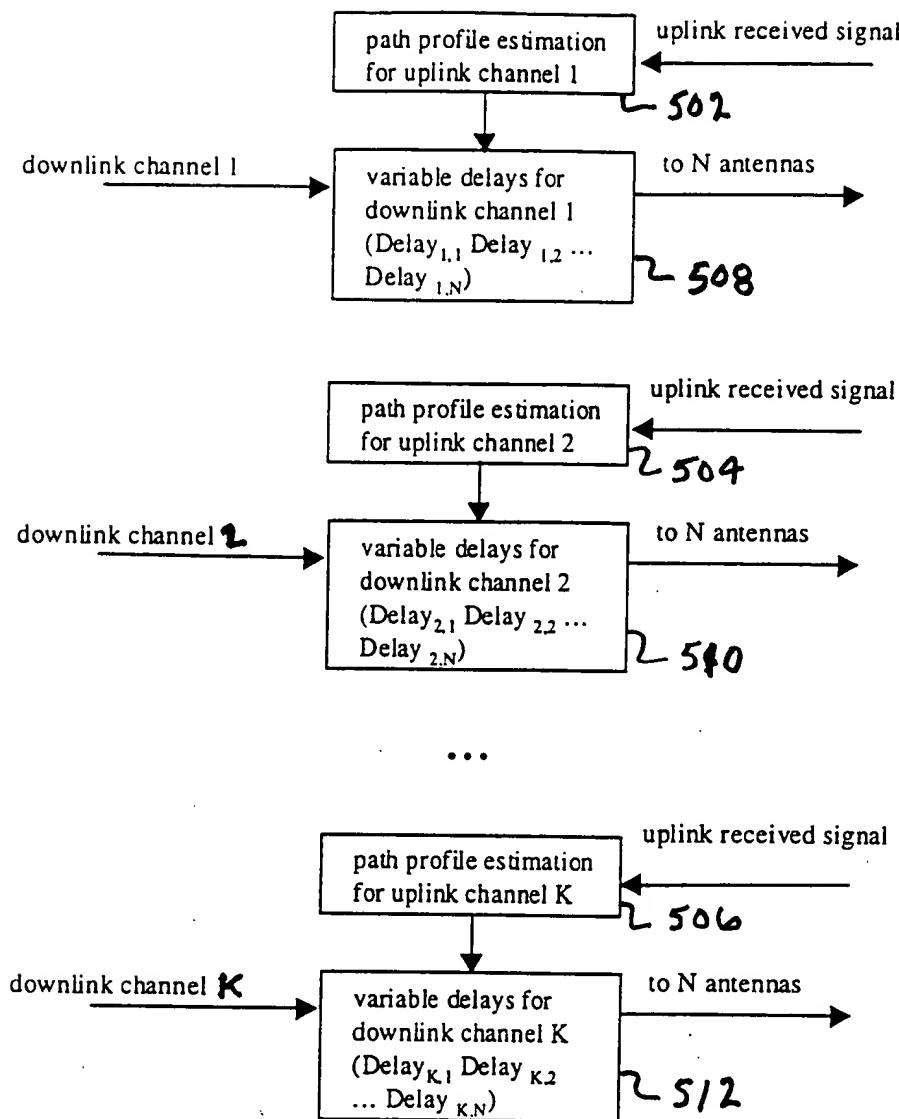


Figure 5: Method of choosing delays for each channel.

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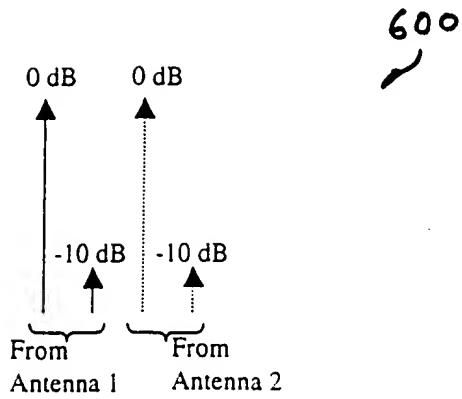


Figure 6: Delay profile at the mobile with delay of 2 chips between the two transmit antennas.

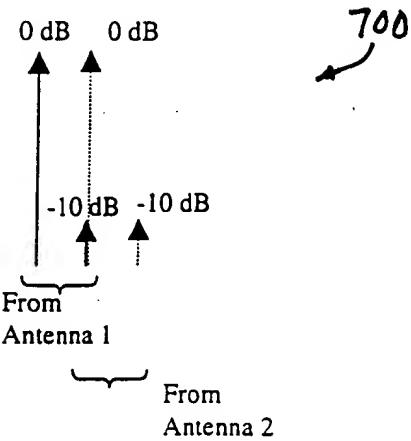


Figure 7: Delay profile at the mobile with delay of 1 chip between the two transmit antennas.

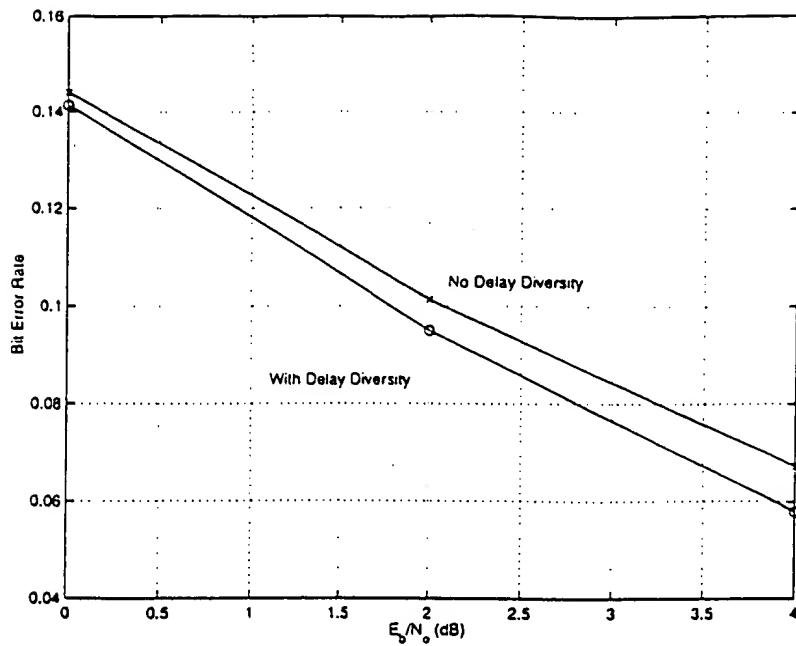


Figure 8: Link level simulations comparing the BER performance with and without delay diversity on the downlink using the Vehicular B channel model (120 kmph).

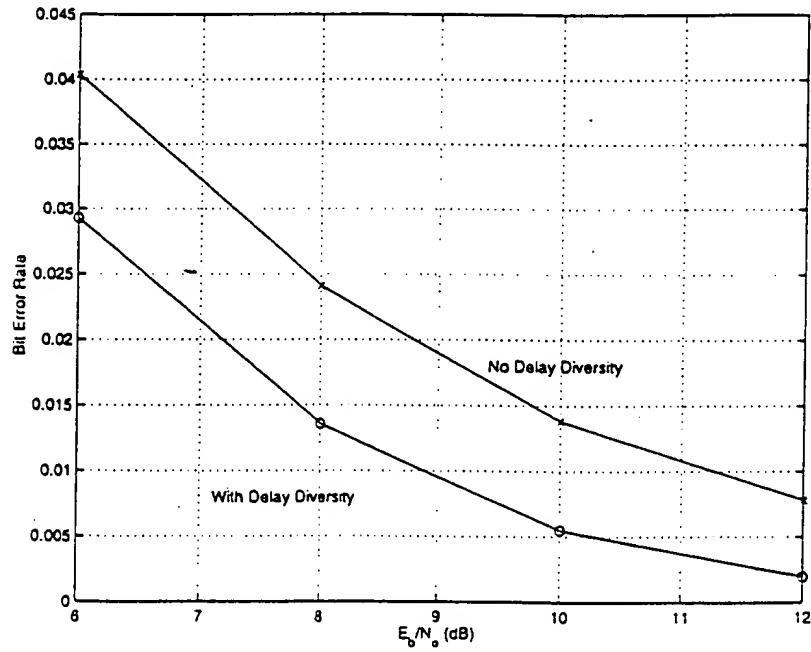


Figure 9: Link level simulations comparing the BER performance with and without delay diversity on the downlink using the Outdoor-to-Indoor and Pedestrian channel model (3 kmph).